

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Description	Information
Product Name	Lime Essential Oil Organic
INCI Name	Citrus Aurantifolia
CAS Number	8008-26-2 / 90063-52-8
EC / EINECS Number	290-010-3
Country of Origin	Sri Lanka
Product Use	Cosmetic and perfumery raw material
Supplier	Botanic Planet Canada Inc.
Address	2 Bram Court, Unit #3, Brampton, ON L6W 3R6, Canada
Telephone	905-455-4444
Emergency Telephone	CANUTEC: 613-996-6666 (24 hours)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Hazard Classification	Category
Flammable Liquids	Category 3
Skin Corrosion/Irritation	Category 2
Aspiration Hazard	Category 1
Carcinogenicity	Category 2
Hazardous to Aquatic Environment, Chronic	Category 4
Skin Sensitization	Category 1

Signal Word: DANGER

GHS Hazard Statements

Code Hazard Statement

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H413 May cause long-lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof electrical, ventilating and lighting equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P261: Avoid breathing vapours, mist or spray.
- P264: Wash hands thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves, protective clothing and eye protection.

Response

- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P331: Do NOT induce vomiting.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs, get medical advice or attention.
- P333+P313: If skin irritation or rash occurs, get medical advice or attention.
- P308+P313: IF exposed or concerned: Get medical advice or attention.
- P362+P364: Take off contaminated clothing and wash before reuse.
- P370+P378: In case of fire, use foam, dry powder or carbon dioxide.
- P391: Collect spillage.

Storage and Disposal

- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents and containers according to applicable regulations.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Product: Lime Essential Oil Organic

Chemical Component	Concentration (%)
Alpha-Pinene	1.00–2.50
Beta-Pinene	0.50–3.00
Myrcene	1.00–5.00
Limonene	45.00–52.00
Gamma-Terpinene	10.50–11.50
Terpinolene	7.00–11.00
Alpha-Terpineol	6.00–9.00
Sabinene	0.20–0.40
Beta-Bisabolene	0.60–2.50

SECTION 4. FIRST AID MEASURES

Eye Contact: Immediately rinse eyes cautiously with plenty of clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Obtain medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash the affected area thoroughly with soap and water. Seek medical attention if irritation or an allergic reaction occurs.

Inhalation: Move the affected person to fresh air. Keep comfortable for breathing. Obtain medical attention if symptoms develop or persist.

Ingestion: Do not induce vomiting. Immediately contact a poison control centre or physician because of the aspiration hazard. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Property	Information
Flash Point	45.56°C
Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide
Unsuitable Media	Avoid direct high-pressure water jets
Combustion Products	Carbon oxides
Special Hazards	Flammable liquid and vapour

Fire-Fighting Instructions: Wear suitable protective clothing and self-contained breathing apparatus when necessary. Use water spray or fog to cool exposed containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation. Eliminate all sources of ignition. Wear appropriate gloves, protective clothing and chemical safety goggles.

Environmental Precautions: Prevent release into drains, soil, waterways and the surrounding environment.

Containment: Contain spills with inert, non-combustible absorbent material.

Cleanup: Absorb with sand, vermiculite or another suitable material. Transfer to properly labelled containers for disposal according to applicable regulations.

SECTION 7. HANDLING AND STORAGE

Safe Handling

- Avoid direct contact with skin, eyes and clothing.
- Avoid breathing concentrated vapours or mist.
- Keep away from heat, sparks and open flames.
- Do not smoke while handling.
- Use adequate ventilation.
- Wash hands thoroughly after handling.

Storage Conditions

Store in tightly sealed containers in a cool, dry, well-ventilated area away from direct sunlight, heat and ignition sources.

Incompatible Materials: Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Control	Recommendation
Engineering Controls	Adequate general or local exhaust ventilation
Eye Protection	Tightly fitting chemical safety goggles
Skin Protection	Suitable protective clothing
Hand Protection	Chemical-resistant gloves
Respiratory Protection	Suitable respiratory protection if ventilation is insufficient
Hygiene Measures	Wash exposed skin after handling; do not eat, drink or smoke while handling
Occupational Exposure Limits: Product-specific exposure limits were not supplied.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Colorless to yellow, clear liquid
Odor	Characteristic lime odor with camphoraceous note
Initial Boiling Point	182°C at 760 mmHg
Flash Point	45.56°C
Vapour Pressure	0.8000 mmHg at 25°C
Relative Density	0.8510–0.8800 at 20°C
Water Solubility	Insoluble
Refractive Index	1.4600–1.4900 at 20°C
Optical Rotation	+1.0° to +60.0° at 20°C
pH	Not determined
Auto-Ignition Temperature	Not available
Explosive Limits	Not available
Viscosity	Not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No significant reactivity hazard reported under normal handling conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization is not expected.

Conditions to Avoid: Heat, sparks, open flames and other ignition sources.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological Parameter	Supplier-Reported Information
Acute Oral Toxicity	LD ₅₀ (Rat): 5,000 mg/kg
Acute Dermal Toxicity	LD ₅₀ (Rabbit): 2,500 mg/kg
Skin Irritation	Causes skin irritation
Skin Sensitization	May cause an allergic skin reaction
Eye Contact	May cause irritation
Inhalation	High vapour concentrations may cause nose and throat irritation, headache, nausea and dizziness
Aspiration Hazard	May be fatal if swallowed and enters airways
Carcinogenicity	Suspected of causing cancer (source classification)

Note: The supplied source contains conflicting carcinogenicity and skin-toxicity statements. The classifications above retain the conservative hazards identified in Section 2. Toxicological values have not been independently verified.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-lasting harmful effects to aquatic organisms.

Persistence and Degradability: No specific data supplied.

Bioaccumulative Potential: Not determined.

Mobility in Soil: Not determined.

Environmental Precautions: Avoid pollution of groundwater, surface water, soil and drainage systems.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of the product and contaminated packaging in accordance with applicable municipal, provincial and federal regulations.

Do not discharge into drains, waterways or the environment.

Use an approved hazardous-waste disposal facility where required.

SECTION 14. TRANSPORT INFORMATION

The original supplier document reports the following:

Transport Mode Original Supplier Statement

US DOT (Land) Not regulated

IMDG (Sea) Not regulated

IATA (Air) Not regulated

Transport classification requires verification. The reported flash point of 45.56°C and GHS Flammable Liquid Category 3 classification may require transport as a Class 3 flammable liquid, subject to applicable rules, exemptions and shipping conditions. Do not rely on the original "Not regulated" statements without confirmation from a qualified dangerous-goods specialist.

SECTION 15. REGULATORY INFORMATION

Product Use: Cosmetic and perfumery raw material.

GHS Classification: Refer to Section 2.

Canadian WHMIS Classification: Requires verification against current WHMIS requirements and the confirmed composition of the supplied material.

IFRA Compliance: Refer to the separate product-specific IFRA documentation, if available.

Organic Status: Product described as organic by the supplier; organic certification details were not provided in the source.

Additional Regulatory Information: No further verified regulatory information supplied.

SECTION 16. OTHER INFORMATION

Description	Information
Product	Lime Essential Oil Organic
Document Type	Material Safety Data Sheet (MSDS)
Prepared For	Botanic Planet Canada Inc.
Website	www.botanicplanet.ca
Emergency Contact	CANUTEC: 613-996-6666

Disclaimer & Caution. Please refer to all relevant technical information specific to this product prior to use. The information contained in this document has been obtained from current and reliable sources. Botanic Planet Canada Inc. provides this information in good faith but makes no representation or warranty as to its completeness, accuracy, or suitability for any particular purpose. Recipients of this information are responsible for exercising their own independent judgment in determining the appropriateness of the product for their intended application. The purchaser and user of this product are solely responsible for ensuring compliance with all applicable local, provincial, national, and international laws, regulations, and the intellectual property rights of third parties relating to the use of the product. As the conditions and methods of storage, handling, processing, and use of this product are beyond the control of Botanic Planet Canada Inc., no express or implied warranty is made regarding the effects of such use, including any damage, injury, or results obtained. Botanic Planet Canada Inc. assumes no responsibility or liability arising from the use or misuse of this product. The liability of Botanic Planet Canada Inc., if any, is limited solely to the purchase price of the goods supplied and shall not include any indirect, incidental, special, punitive, or consequential damages or losses. Botanic Planet Canada Inc. shall not be liable for any errors, omissions, or delays in the information contained in this document or for any actions taken in reliance upon such information. The purchaser and user are responsible for conducting appropriate testing, including identity, quality, stability, compatibility, safety, and regulatory compliance testing, prior to incorporating the product into any finished product or commercial application. Where applicable, claims such as food-grade, pharmaceutical-grade, cosmetic-grade, vegan, cruelty-free, gluten-free, allergen-free, or suitable for ingestion should not be made unless supported by appropriate product-specific documentation and applicable regulatory requirements. In the event of any dispute arising from the sale or use of this product, the parties agree that the exclusive jurisdiction and venue shall be the courts of the Province of Ontario, Canada.

Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada

Email: info@botanicplanet.ca www.botanicplanet.ca